

KATHMANDU UNIVERSITY
End Semester Examination
June/July, 2023

06 JUL 2023

Level : B.Sc.
Year : II
Time : 2 hrs. 30 mins.

Course : ENVS 205
Semester : II
F. M. : 55

II - II ✓

SECTION "C"
[3 Q. × 7 = 21 marks]

Attempt *ANY THREE* questions.

1. How do geological factors, such as topography and geological materials, influence water quality and availability?
2. Define environmental geology. Briefly describe the geological divisions of Nepal.
3. What is the role of geology in understanding and addressing environmental issues?
4. What are the primary causes and impacts of geological hazards, such as earthquakes, landslides, and volcanic eruptions?

SECTION "D"

5. Write note on (*ANY FOUR*) [4 Q. × 4 = 16 marks]
 - a. Types of aquifers
 - b. Flood controlling methods
 - c. Plate tectonics
 - d. Factors and process of erosion
 - e. Darcy's Law
6. Differentiate between (*ANY FOUR*) [4 Q. × 3 = 12 marks]
 - a. Absolute dating and relative dating
 - b. Surface water and groundwater
 - c. Sandstone and Limestone
 - d. Anticline and syncline
 - e. Igneous rock and Metamorphic rock
7. Discuss in the following terms (*ANY THREE*) [3 Q. × 2 = 6 marks]
 - a. Pangaea
 - b. Seismic Hazard
 - c. Artesian water
 - d. Traction